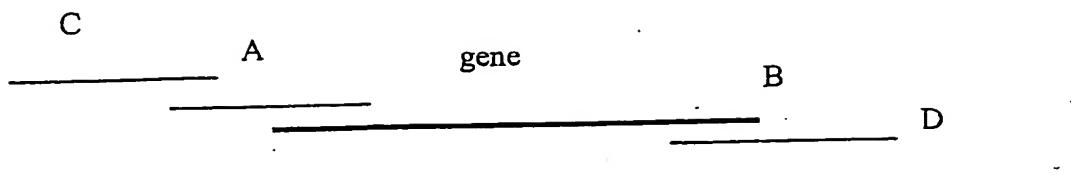


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Figure 1



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Figure 2

HL with stem length 6bp: -7,8 kcal/mol

A
A U
C U
U-A
G-C
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

HL with stem length 7bp -8,6 kcal/mol

CA
A U
U C
U-A
U-A
C-G
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

Figure 2 (continued)

HL with stem length 4 bp

-4.1 kcal/mol

U U
 A U
 A-U
 U-A
 C-G
 A-U

5'-.....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

HL with stem length 5 bp

-4.4 kcal/mol

U A
 U U
 U-A
 G-C
 U-A
 C-G
 A-U

5'-.....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

HL with stem length 8 bp

-11.8 kcal/mol

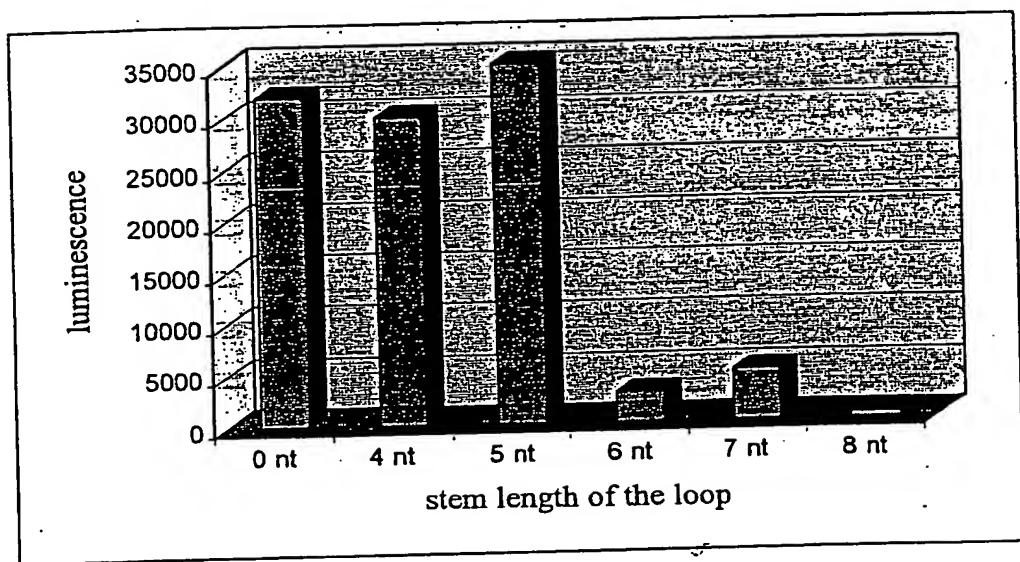
U U
 G-C
 C-G
 A-U
 C-G
 G-C
 U-A
 C-G
 A-U

5'-.....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

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Figure 3



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Figure 4

HL with stem length 8 bp, 6 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUGACUAGC AAAGGAGAA... -3'

HL with stem length 8 bp, 9 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUGACUAGCAA GGAGAA... -3'

HL with stem length 8 bp, 12 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

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Figure 4 (continued)

5'-.....AGGAGAUAUACCAUGACUAGCAAAGGA GAA... -3'

 G A
 U U
 G-C
 C-G
 A-U
 C-G
 G-C
 U-A
 C-G
 A-U

5'-.....AGGAGAUAUACCAUGACUAGCAA A GGAGAA... -3'

HL with stem length 8 bp, 12 bases after start.

- ATG:

 G A
 U U
 G-C
 C-G
 A-U
 C-G
 G-C
 U-A
 C-G
 A-U

5'-.....AGGAGAUAUACCAUGACUAGCAAAGGA GAA... -3'

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Figure 4 (continued)

HL with stem length 8 bp, 15 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUGACUAGCAAAGGAGAA GAA... -3'

HL with stem length 8 bp, 18 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUGACUAGCAAAGGAGAAAGAA CTT... -3'

HL with stem length 8 bp, 21 bases after start ATG

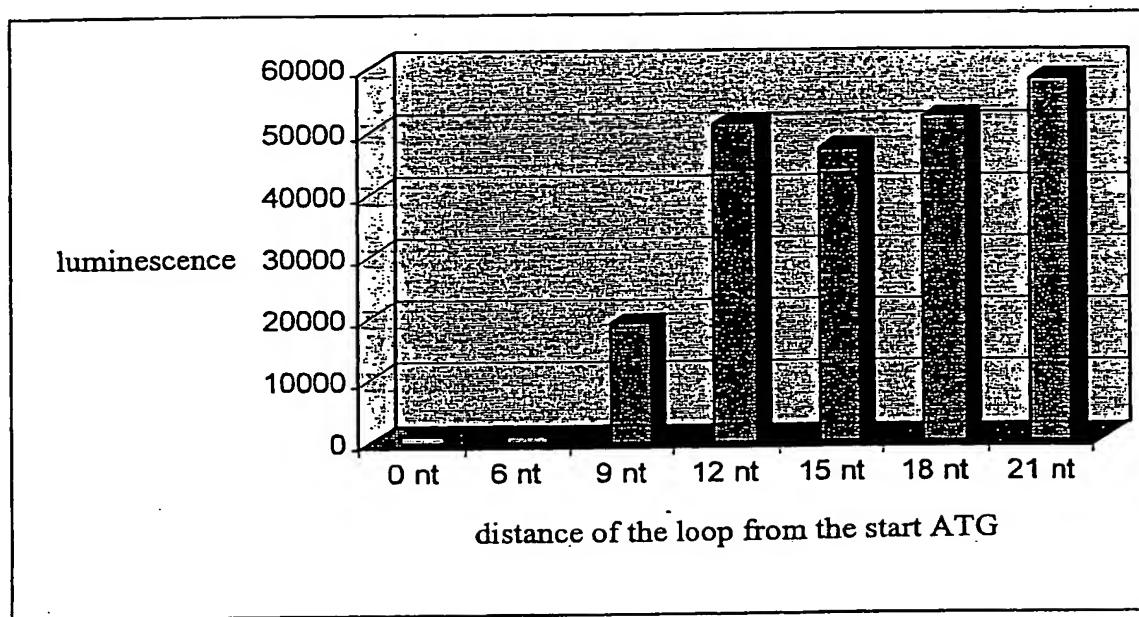
G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-.....AGGAGAUAUACCAUGACUAGCAAAGGAGAAACTT TTC... -3'

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Figure 5

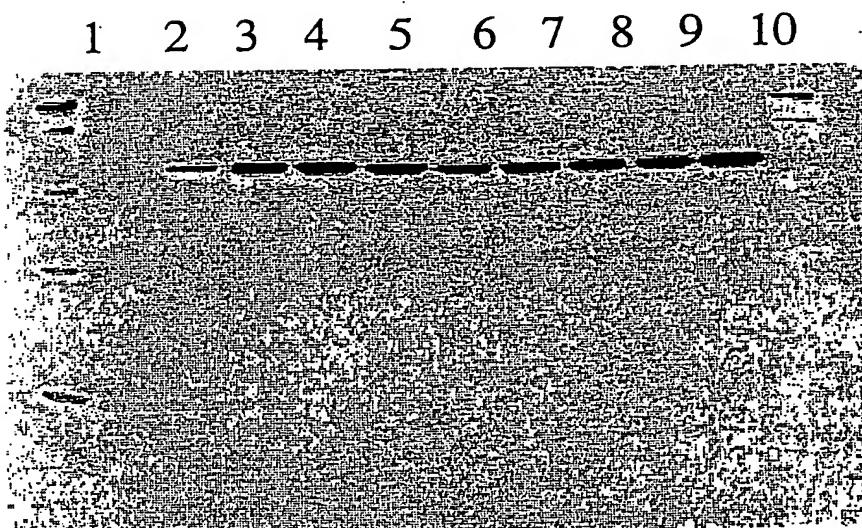


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Figure 6

Lane 1-9 = mutant 9-1 Lane 1 corresponds to the wild-type sequence



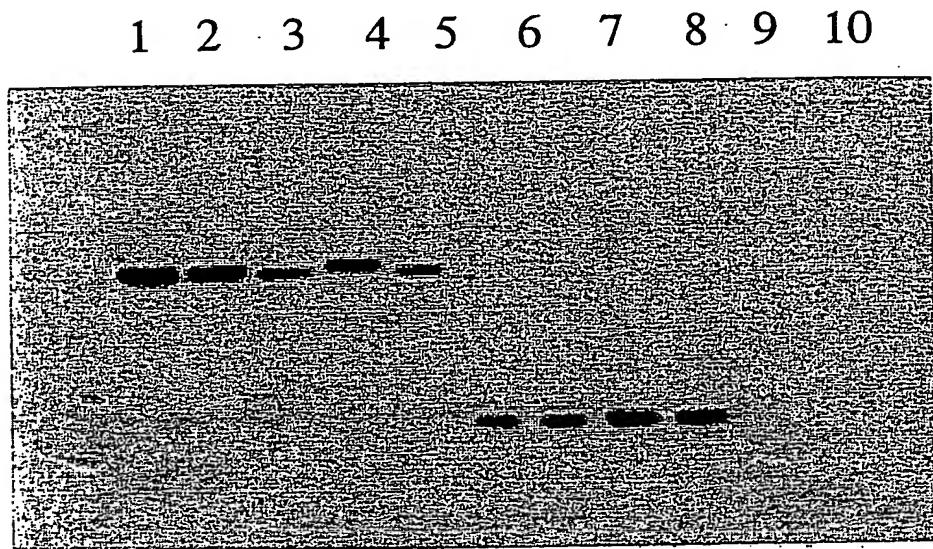
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Figure 7

GFP/1049

Lanes 1,2 = mutant 1,2 GFP without loop, Lanes 3,4 = mutant 1,2 GFP with loop
Lane 5 corresponds to the GFP wild-type sequence. Lanes 6,7 = mutant
1,2 1049 without loop. Lanes 8,9 = mutant 1,2 1049 with loop. Lane 10
corresponds to the 1049 wild-type sequence.



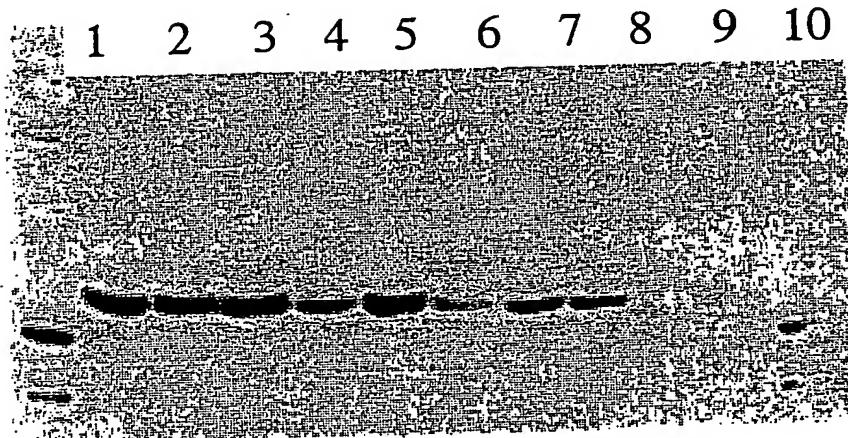
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Figure 8

Survivin

Lanes 1-9 = mutant 1-9. Lane 10 corresponds to the wild-type sequence



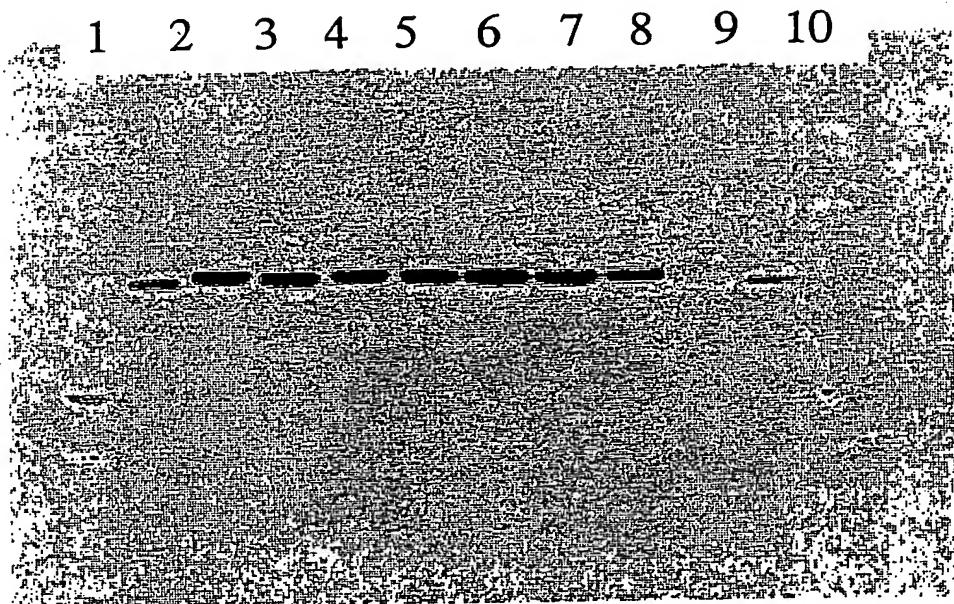
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Figure 9

GFP

Lanes 1-9 = mutant 1-9. Lane 10 corresponds to the wild-type sequence



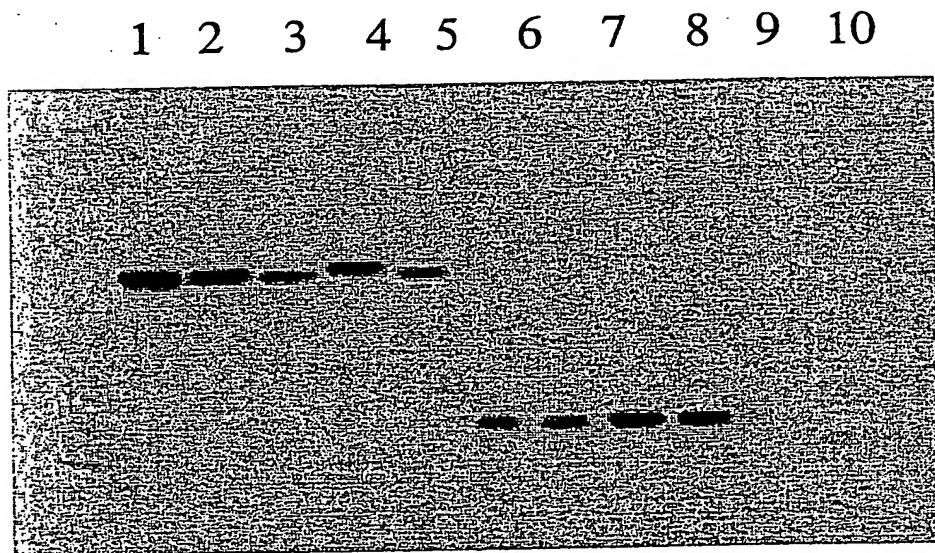
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Figure 10

GFP/1049

Lanes 1,2 = mutant 1,2 GFP without loop. Lanes 3,4 = mutant 1,2 GFP with loop.
Lane 5 corresponds to the GFP wild-type sequence. Lanes 6,7 = mutant
1,2 1049 without loop. Lanes 8,9 = mutant 1,2 1049 with loop. Lane 10
corresponds to the 1049 wild-type sequence.



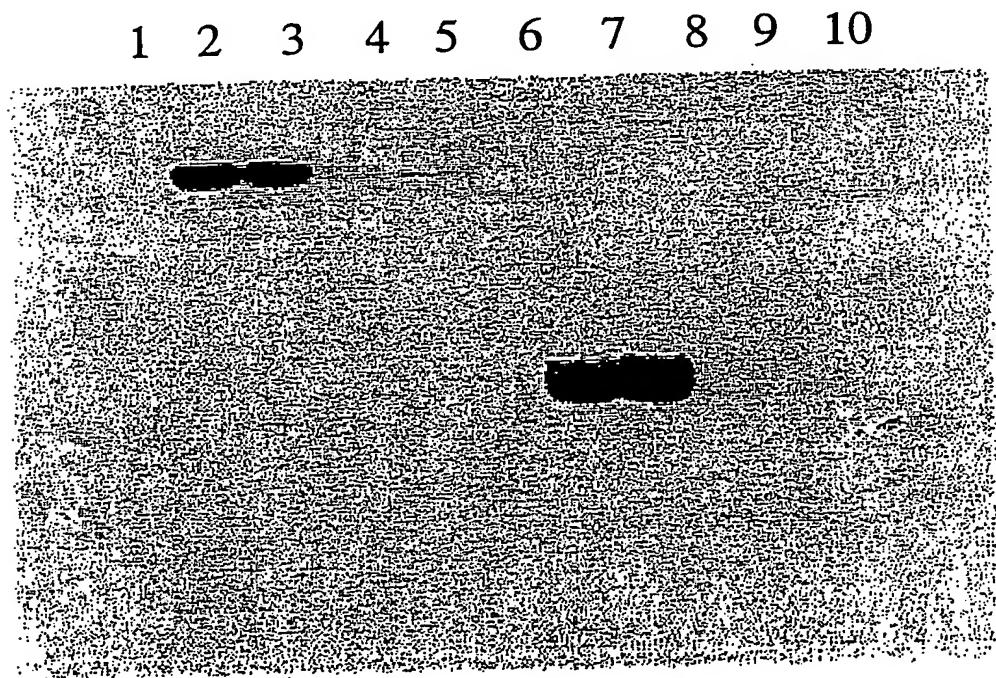
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Figure 11

CIITA/Survivin

Lane 1 corresponds to the CIITA wild-type sequence. Lanes 2,3 = mutant 1,2 CIITA with loop. Lanes 4,5 = mutant 1,2 CIITA without loop. Lane 6 corresponds to the survivin wild-type sequence. Lanes 7,8 = mutant 1,2 survivin with loop. Lanes 9,10 = mutant 1,2 survivin without loop.



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Figure 12

Loop	Loop'
G A	G A
T T	A T
G-C	T-A
C-G	A-T
A-T	A-T
C-G	A-T
G-C	C-G
T-A	A-T
C-G	G-C

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Figure 13

1049/Survivin(CIITA loop and loop' variants

Lane 1 1049 mutant 1 loop, lane 2 mutant 1 loop', lane 3 corresponds to the 1049 wild-type sequence; lane 4 survivin mutant 1 loop, lane 5 mutant 1 loop', lane 6 corresponds to the survivin wild-type sequence; lane 7 CIITA mutant 1 loop, lane 8 mutant 1 loop', lane 9 corresponds to the CIITA wild-type sequence

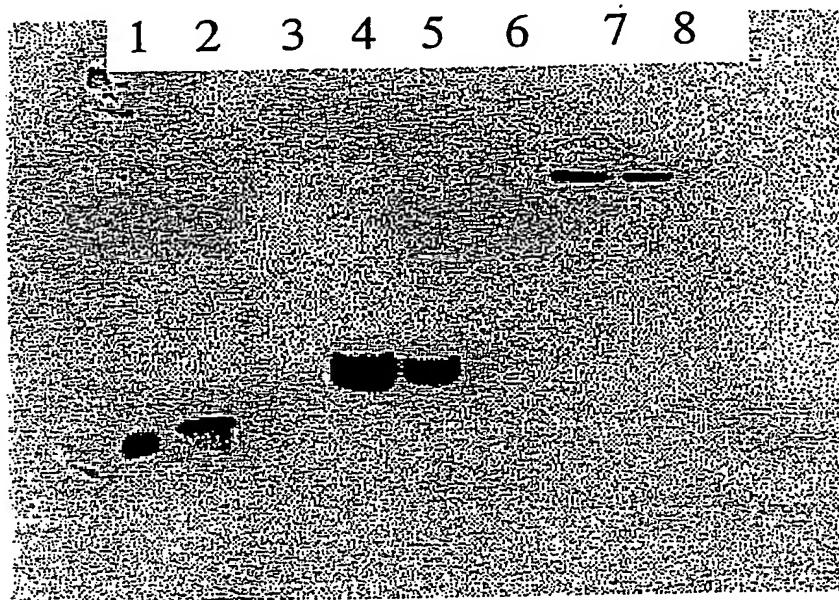


Figure 14

